The British Journal for the Philosophy of Science

Volume 42

Published for the
British Society for the Philosophy of Science
by Oxford University Press
1991

CONTENTS

ARTICLES

Page

1 HUME ON PROBABILITY
Barry Gower

21 UNDERSTANDING INDUCTION
John Macnamara

49 ON NATURALIZING THE SEMANTICS OF MENTAL REPRESENTATION
Stuart Silvers

147 FRAGILITY AND DETERMINISTIC MODELLING IN THE EXACT SCIENCES
R. K. Tavakol

157 AGENCY AND PROBABILISTIC CAUSALITY
Huw Price

177 A KUHNIAN MODEL OF FALSIFIABILITY
Mark A. Stone

187 ON SOME PARADOXES OF THE INFINITE
Victor Allis and Teunis Koetsier

195 HEURISTICS AND THE GENERALIZED CORRESPONDENCE PRINCIPLE
Hans Radder

227 EXTERNALISM AND MARR'S THEORY OF VISION
Robert M. Francescotti

295 EXPERIMENTING ON AND EXPERIMENTING WITH: POLYWATER AND EXPERIMENTAL REALISM
William J. McKinney

309 THE ELECTRONIC CONFIGURATION MODEL, QUANTUM MECHANICS AND REDUCTION
Eric R. Scerri

325 DISCOVERY AS A PROBLEM FOR THE INVENTOR
Tyrone Lai

337 BLACK RAVENS AND A WHITE SHOE
Herbert A. Simon

445 LAWS AND NATURAL HISTORY IN BIOLOGY
Wim J. van der Steen and Harmke Kamminga

469 LITERALISM AND THE APPLICABILITY OF ARITHMETIC
L. Luce

491 PROJECTION, PHYSICAL INTELLIGIBILITY, OBJECTIVITY AND COMPLETENESS: THE DIVERGENT IDEALS OF BOHR AND EINSTEIN
C. A. Hooker

513 INTERSUBJECTIVE PROBABILITY AND CONFIRMATION THEORY
Donald Gillies

535 A PRACTICAL EXAMPLE OF GRUE
F. M. Akeroyd

541 BELL'S INEQUALITIES AND QUANTUM NON-SEPARABILITY
S. V. Bhave

DISCUSSIONS

75 A CRITIQUE OF MELLOR'S ARGUMENT'S AGAINST 'BACKWARDS' CAUSATION
Peter J. Riggs

87 FACTOR ANALYSIS, INFORMATION-TRANSFORMING INSTRUMENTS, AND OBJECTIVITY: A REPLY AND DISCUSSION
Stanley A. Mulaik

101 VERISIMILITUDE BY POWER RELATIONS: A RESPONSE TO ODDIE
Chris Brink and Johannes Heidema

105 A NOTE ON POPPER'S EQUATION OF SIMPLICITY WITH FALSIFIABILITY
Peter Turney

239 EXPLAINING SCIENCE
Kevin B. Korb

255 A BAYESIAN PROOF OF A HUMEAN PRINCIPLE
Donald Gillies

257 ELLIS, EPISTEMIC VALUES, AND THE PROBLEM OF INDUCTION
John Vollrath

263 A CRITICAL NOTE ON J. S. MILL'S CLASSIFICATION OF FALLACIES
Giora Hon

343 SCIENTIFIC RATIONALITY AND THE PROBLEM OF INDUCTION: RESPONSE TO CRITICISMS
John Watkins

369 WHAT IS 'THE PROBLEM OF THE EMPIRICAL BASIS', AND DOES JOHNNY WIDEAWAKE SOLVE IT?
S. Haack

391 NATURAL AXIOMATIZATION: A REVISION OF 'WAJSBERG'S REQUIREMENT'
Elie Zahar

547 THE 'OLD EVIDENCE' PROBLEM
Colin Howson

REVIEW ARTICLES

111 THE PHILOSOPHY OF PHYSICS
Huw Price

269 THE COMMON THREAD OF INDUCTION
Peter C.-H. Cheng

273 REFINED FALSIFICATIONISM MEETS THE CHALLENGE FROM THE RELATIVIST PHILOSOPHY OF SCIENCE
Gerard Radnitzky

397 CORRELATIONS AND CAUSES
David Papineau

413 WHY IS RELATIVITY INTERESTING?
C. W. Kilmister

425 NATURALISTIC REPRESENTATION
Michael Devitt

557 JUSTIFICATION IN THE NATURAL SCIENCES
Paul K. Moser

577 FRANCIS BACON AND THE DISPUTATIONS OF THE LEARNED
Antonio Pérez-Ramos

REVIEWS

285 SELTZMAN, MURIEL AND SELTZMAN, PETER (1985): *Piaget's Logic: A Critique of Genetic Epistemology*. Review by Richard F. Kitchener

291 ELLIS, BRIAN: *Truth and Objectivity*. Review by J. T. Whyte

MISCELLANEOUS

March OBITUARY: WILLIAM KNEALE
ANNOUNCEMENTS: B.S.P.S. ANNUAL CONFERENCE. 1991 L.S.E. CONFERENCE ON MEDICAL TRIALS B.S.P.S. DAY CONFERENCE ON COGNITIVE SCIENCE
June ANNOUNCEMENT: B.S.P.S. ANNUAL CONFERENCE. 1991
Dec. ANNOUNCEMENT: LAKATOS AWARD: 1991